

## Geographic Spread



South Carolina reported **local activity** this week. This is the **fourth** consecutive week at local activity.

## Influenza Activity



Overall, there was **no change** in influenza activity this week.

## Regional Influenza Activity



Increase



No change



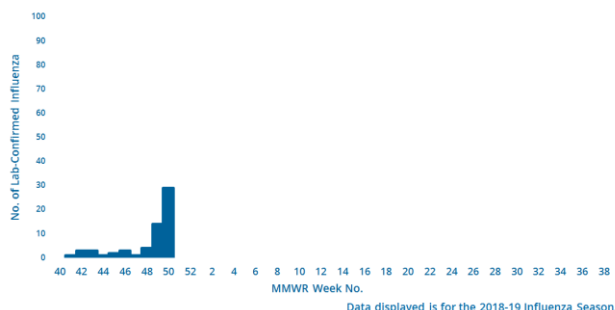
Increase



No change

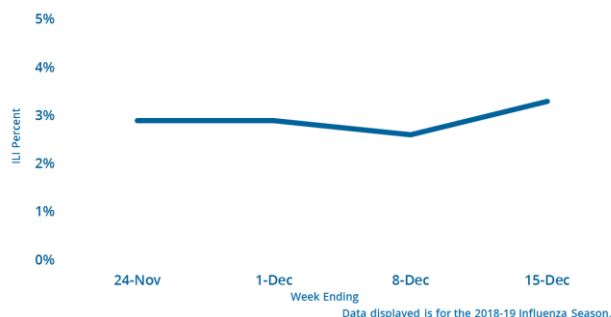
## Virologic Surveillance

This week there were **29** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **63** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **3.34%**, which is below South Carolina's baseline (**3.53%**). The ILI activity level overall was **moderate**.



## Influenza-Associated Hospitalizations

This week **41** influenza-associated hospitalizations were reported by **42** hospitals. The cumulative hospitalization rate is **3.6 per 100,000**. In the current flu season, there have been **183** influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week **4** influenza-associated deaths were reported; however, **1** death occurred in a previous week. The cumulative mortality rate is **0.2 per 100,000**. In the current flu season, there have been **11** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

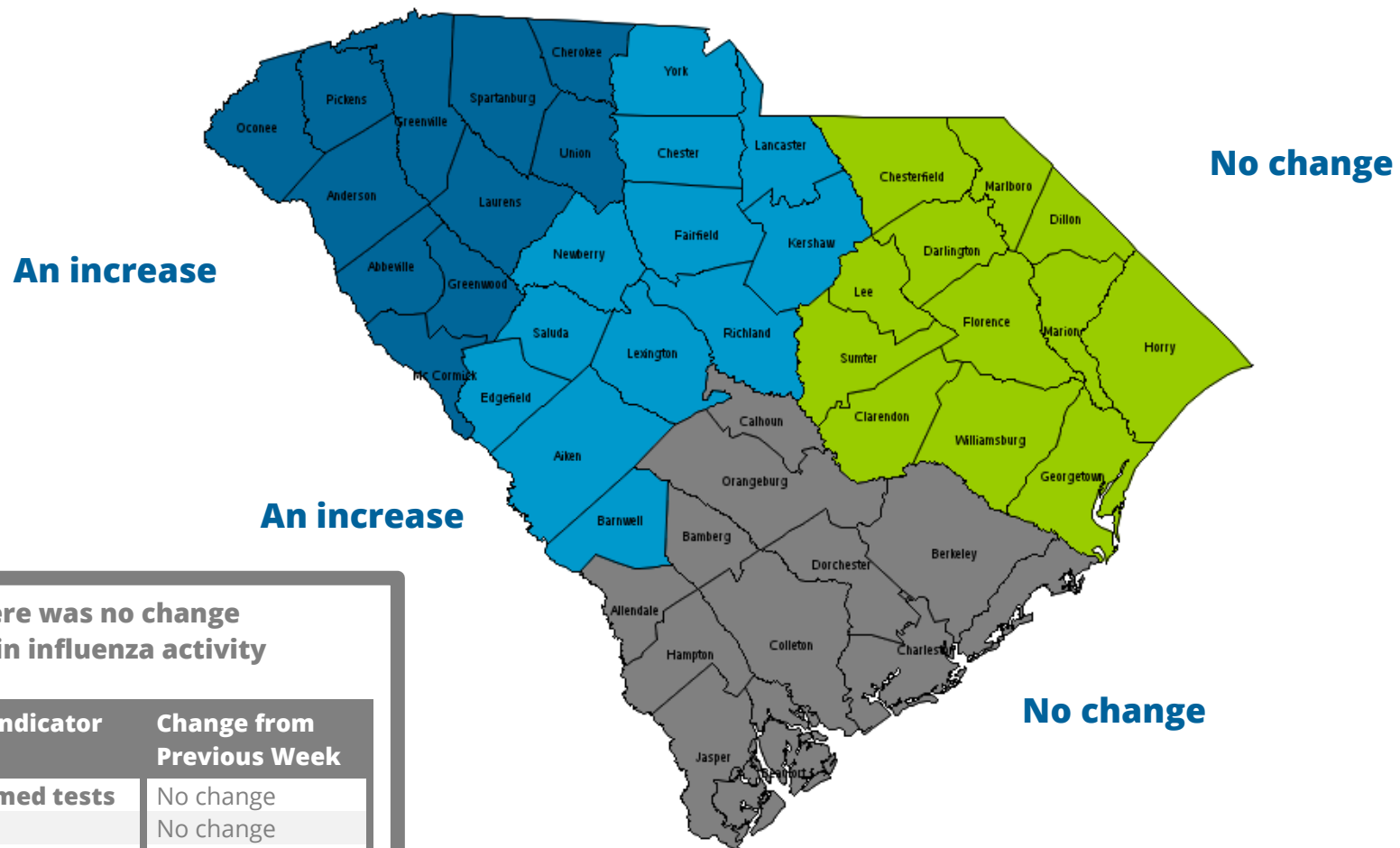
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



Overall there was no change statewide in influenza activity

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	No change
ILI Percent	No change
Hospitalizations	No change

\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

# Virologic Surveillance

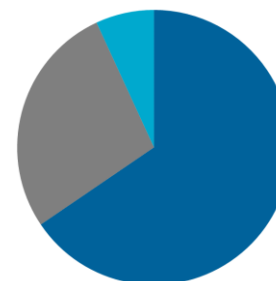
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		29	63	161	28	87
Influenza A		29 (100)	59(93.7)	137(85.1)	16(57.1)	77(88.5)
A(H3)		2(6.9)	8(13.6)	46(33.6)	8(50)	27(35.1)
A(H1N1)		8(27.6)	19(32.2)	7(5.1)	--	23(29.8)
A(NS)*		19(65.5)	32(54.2)	84(61.3)	8(50)	27(35.1)
Influenza B		0	4(6.3)	24(14.9)	12(42.9)	10(11.5)
B (Victoria)		--	--	--	--	0
B (Yamagata)		--	--	4(16.7)	--	1(10)
B (LND)*		--	4(100)	20(83.3)	12(100)	9(90)

\*NS - not subtyped

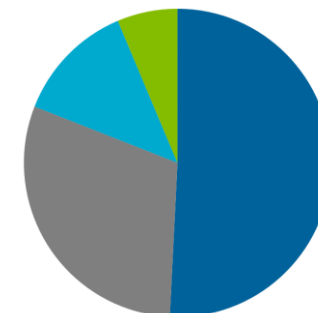
\*LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

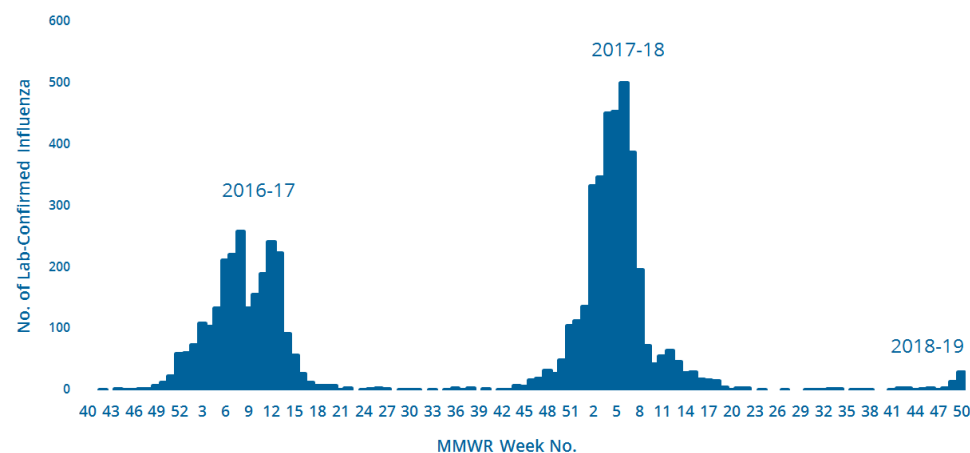
Week ending 12/15



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



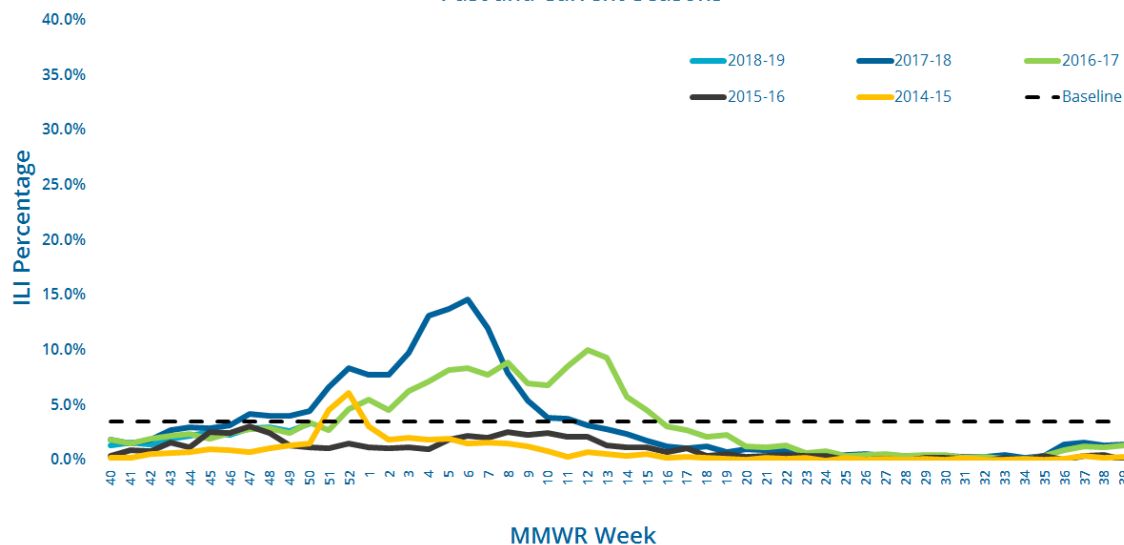
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **moderate** and **3.34%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

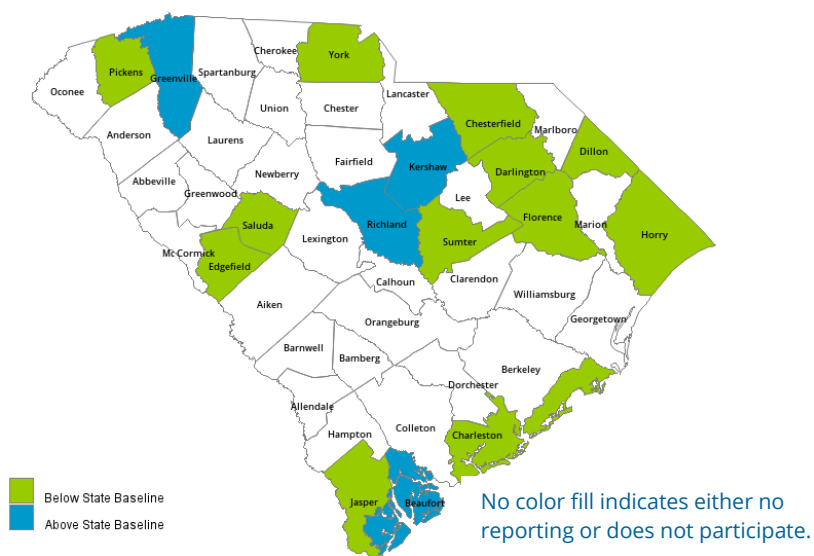
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

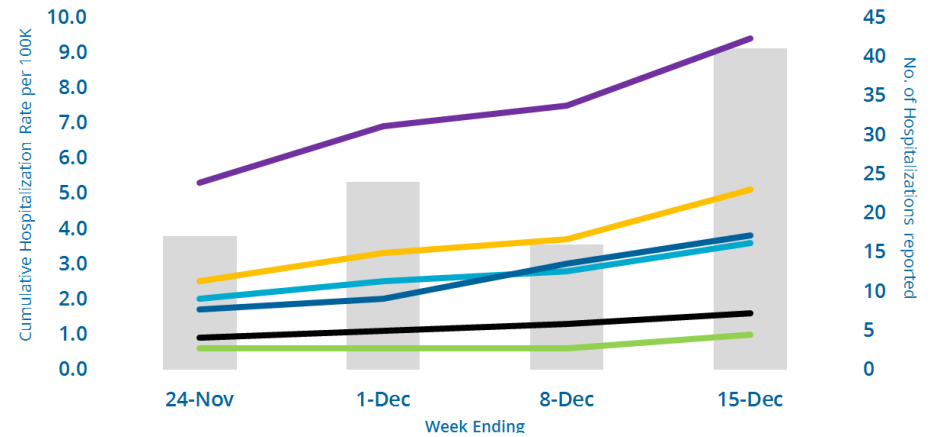
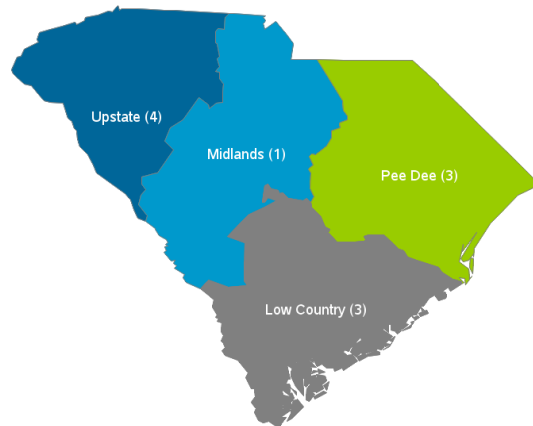
ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
<b>This Week</b>	41(0.8)	2(0.7)	3(0.3)	6(0.3)	14(1.4)	16(1.9)
<b>2018-19</b>	183(3.6)	11(3.8)	8(1.0)	33(1.6)	51(5.1)	81(9.4)
<b>2017-18</b>	253(5.0)	14(4.7)	12(1.5)	32(1.6)	52(5.2)	143(16.5)
<b>2016-17</b>	92(1.9)	3(1.0)	3(0.4)	14(0.7)	26(2.6)	46(5.5)
<b>5 season average</b>	250(5.2)	23(7.8)	16(2.0)	47(2.3)	61(6.3)	103(13.0)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
<b>This Week</b>	3(0.1)	--	--	--	3(0.3)	--
<b>2018-19</b>	11(0.2)	1(0.3)	--	1(0.0)	4(0.4)	5(0.6)
<b>2017-18</b>	11(0.2)	--	--	--	1(0.1)	10(1.2)
<b>2016-17</b>	3(0.1)	--	--	1(0.0)	--	2(0.2)
<b>5 season average</b>	7(0.1)	0	0	0	2(0.2)	5(0.6)

Influenza-Associated Deaths by Region



Overall Age 0-4 Age 5-17 Age 18-49 Age 50-64 Age 65 and older

